

~~CONFIDENTIAL~~

OIT 864x-84

2 OCT 1986

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MEMORANDUM FOR: Director of Information Technology, DA

FROM:

[redacted]
Director of Information Resources, DI

25X1

SUBJECT:

Communications Requirements for OSWR [redacted]

25X1

REFERENCE:

Memorandum from [redacted] to D/OIT, dtd 21 April 1986,
Subject: DI Near-Term Communications Requirements [redacted]

25X1

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1. Your response to the DI's request for cost estimates on fifteen near-term communications requirements has been received and is currently under review by OIR staff and the requesting offices. Our request for support, based on your estimates and office priorities, will be sent to you in the near future. [redacted]

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2. Implementation of the attached communications requirement from OSWR/SSD is being requested out of normal channels because of the high priority placed on it by the requesting office. FY87 funds from OSWR are available to pay for this capability. We assume a cost of [redacted] plus the two terminals, which will be provided by OSWR. [redacted]

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Attachment:

OSWR Communications Requirements

DI/OIR/PDD/PTEB [redacted]

(26 Sep 86)

25X1

Distribution:

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1 - OD/OIR

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SOVA NSE & Joint action

29 AUG 1986

OIT/TRIS
LOGGED

OIT 0765X-86

MEMORANDUM FOR: Director of Information Technology, DA

FROM:

[redacted]

25X1

Director of Information Resources, DI

SUBJECT: Communications Requirements

REFERENCE: Memorandum from [redacted] to ASG, dtd 2 Jul 86, Same Subject

25X1

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1. The Directorate of Intelligence has been working with your office to identify, document, and cost communications requirements. We received a memorandum from OIT/NBCPO dated 2 July 1986 (Attachment 1) which provides estimates for two communications requirements submitted by SOVA earlier this year. [redacted]

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2. The requirements in Attachment 1, among others, have been discussed with [redacted] of your office. We very much appreciate OIT's response and the data has been provided to the appropriate officers in SOVA. In the case of the SOVA requirement for "Golden Tiger Communications", there have been follow-up conversations with the requesting officer, [redacted]. As a result of those conversations, SOVA has been assured that an Ethernet protocol will be included as part of the DI's requirement for the PBX system, to ensure communication among DI workstations. Consequently, the requirement for "Golden Tiger Communications" will be included under the broader requirement and so has been withdrawn by SOVA as a separate action. [redacted]

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3. Two other requirements (Attachment 2) from SOVA and CPAS have been discussed informally with [redacted] NSEG, respectively. They are attached for your consideration. [redacted]

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4. The DI requests that preliminary cost estimates for the two communications requirements in Attachment 2 be provided to OIR by 26 September 1986 so that an overall Directorate prioritization of near-term communications requirements can be developed. If any of these requests for service can be integrated with existing capabilities to reduce cost, please let us know. [redacted]

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May Be Downgraded to Confidential
When Attachments are Removed

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SUBJECT: Communications Requirements

5. The names of office-level contacts are provided for each requirement.
[redacted] of the OIR Planning and Development Division has been
assigned to coordinate DI communications requirements. He may be contacted
on extension [redacted]

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Attachments:
As stated

Attachment 1

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OIT-

2 JUL
1986

MEMORANDUM FOR: [REDACTED]
DDI/ASG

25X1

FROM: [REDACTED]
I/C Segment Manager
New Building Communications Program Office, OIT

25X1

SUBJECT: Communication Requirements [REDACTED]

25X1

Enclosed are comments on requirements that were transmitted to us. If any further clarification is required, please contact the undersigned on secure [REDACTED]

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[REDACTED]

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Attachment

cc: OIT/ESG/PMD/SE [REDACTED]

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[REDACTED]

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REQUIREMENT: Allow the existing Xerox microcomputers (Golden Tigers) to communicate with one another. They are scattered throughout the Headquarters building. The network could consist of approximately 16 workstations and 4 file/print servers. It is unclear at this time who would participate in this network.

PEOPLE CONTACTED:

STAT

The communications protocol inherent to the Xerox 1100 is Ethernet. The IBX S/80 can support the required Ethernet communications allowing communications between the microcomputers and servers.

The protocol layers beyond those supported by Ethernet will not be provided by NBCPO.

COST: A significant cost impact is associated with providing this support. The following cost estimates are based upon providing support for 16 workstations and 4 file/print servers. Additional costs above those indicated will be incurred if additional racks and associated hardware are required. A new rack set up is approximately \$90000.

LANmark buffer assemblies	6 at \$1500	\$9,000
LANmark linecards	20 at \$2500	\$50,000
DIU 5	4 at \$3500	\$15,000
Packet boards	2 at \$5000	\$10,000
TOTAL		\$84,000

The Ethernet support provided by the Intecom switch will allow the Ethernet devices to be located anywhere in the HQ building and facilitate the movement and installation of of these devices.

REQUIREMENT: Connection of a microcomputer to central host.

PEOPLE-CONTACTED:

STAT

This requirement requires multiple level protocol support to allow a single Apollo microcomputer to communicate with the Special center. NBCPO can provide level 1 support only - this being the physical layer. The required RS-232 support can be provided through the secure telephone switch which is scheduled for installation in early December.

Support for protocol levels 2 and above will not be provided by NBCPO.

COST: The costs incurred by NBCPO to provide this support are negligible as thousands of similar circuits will be installed at the time of installation.

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REQ. NUMBER:

OFFICE RANK:

OFFICE: SOVA

TITLE: Microcomputer Communications

Please check type of New Communications Service.

xx Enhanced communications to existing capabilities.

 Communications services for Ongoing Initiatives.

 Communications services for New Initiatives.

REQUIREMENT: Provide communications links for netting SOVA's
stand-alone microcomputers.

JUSTIFICATION: LANs will increase the usefullness and efficiency
of our microcomputers

TIME REQUIREMENT: Implementation ASAP — before FY-88

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Full potential of microcomputers will not be realized.

CONTACT:

Name:

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Office: SOVA/ES/PBB

Telephone Secure

25X1

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REQ. NUMBER:

OFFICE RANK:

OFFICE: SOVA

TITLE: Golden Tiger Communications

Please check type of New Communications Service.

xx Enhanced communications to existing capabilities.

 Communications services for Ongoing Initiatives.

 Communications services for New Initiatives.

REQUIREMENT: Provide communications links to net the Xerox 1100
Golden Tiger in SOVA to other Golden Tigers in the Agency.

JUSTIFICATION: Such a linkage would expand the capabilities and
usefulness of the Golden Tigers.

TIME REQUIREMENT: Implementation before FY-88

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Development of Golden Tiger capabilities will be suppressed by
preventing direct access to the work done on each of the individual
Golden Tigers.

CONTACT:

Name:

25X1

Office: SOVA/DEIG

Telephone: Secure

25X1

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REQ. NUMBER:

OFFICE RANK:

OFFICE: SOVA

TITLE: Contractors - Unclassified Agency Mainframe Communications

Please check type of New Communications Service.

xx Enhanced communications to existing capabilities.

 Communications services for Ongoing Initiatives.

 Communications services for New Initiatives.

REQUIREMENT: Provide terminals and links to an unclassified Agency mainframe computer for contractors at remote sites.

JUSTIFICATION: Such links would allow contractors access to the Agency's computer facilities without requiring the lengthy and expensive clearance process.

TIME REQUIREMENT: Needed ASAP - linkage is requested for FY-88

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Process of initiating work on contracts for unclassified applications development will continue to be slow and costly.

CONTACT:

Name:

25X1

Office: SOVA/ES/PBB

Telephone: Secure

25X1

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REQ. NUMBER: 1

OFFICE RANK:

OFFICE: CPAS

TITLE: Communications Support for Operations Center "Annex" in New Headquarters Building

Please check type of New Communications Service.

☒ Enhanced communications to existing capabilities.

☐ Communications services for Ongoing Initiatives.

☐ Communications services for New Initiatives.

REQUIREMENT: Printers from the CDS and/or MHF; Station DACOM; WASHFAX extension or FAX link to Operations Center.

JUSTIFICATION: DI offices will be located in the new building that will require support.

TIME REQUIREMENT: Implementation by FY88 or when DI offices are moved into new building.

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Overall efficiency of those offices will be seriously reduced without this type of communications support.

CONTACT:

Name:

25X1

Office: CPAS/ES

Telephone: Secure

25X1